

ATTORNEY DOCKET 15358.0002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of Lusso et al

Serial No.: Unassigned

Filing Date: February 14, 2005

For: *Pharmaceutical Compositions Comprising an HIV Envelope Protein and CD4*

United States Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria VA 22314

**INFORMATION DISCLOSURE STATEMENT**

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicants, through the undersigned attorney, submit this Information Disclosure Statement.

Submitted herewith is a copy of the International Search Report ("ISR") in International Application PCT/IB2003/003665, the PCT counterpart of the above-referenced application.

This information disclosure statement is being filed at the time of filing the above-captioned application. No fees are believed to be due. Please apply any charges or credits to Deposit Account No. 19-4293.

Respectfully submitted,



Harold H. Fox  
Reg. No. 41,498

STEPTOE & JOHNSON LLP  
1330 Connecticut Ave., N.W.  
Washington, D.C. 20036  
(202) 429-3000  
February 14, 2005

FORM 1449 (S&J Version)	Docket No.: 15358.0002
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Applicant: Lusso et al.
	Application No.: Unassigned
	Filing Date: February 14, 2005
	Examiner: Unassigned      Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS						
Examiner's Initials*	Document No.	Date MM/YYYY	Inventor	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS							
Examiner's Initials*	Document No.	Date MM/YYYY	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS	
Examiner's Initials*	Include author, title of article, title of item (book, journal, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Lacasse et al., "Fusion-competent vaccines: Broad neutralization of primary isolates of HIV," Science, Vol. 283, pp. 357-62 (15 January 1999)
	Nunberg., "Retraction: Fusion-competent vaccines: Broad neutralization of primary isolates of HIV," Science, Vol. 296, pp. 1025 (10 May 2002)
	Kang et al., "Immunization with a soluble CD4-gp120 complex preferentially induces neutralizing anti-human immunodeficiency virus type-1 antibodies directed to conformation-dependent epitopes of gp120," Journal of Virology, Vol. 68, pp. 5854-62 (September 1994).
	Devico et al., "Immunogenic properties of HIV gp12-CD4 complexes," Journal of Human Virology, Vol. 5, p. 71 (January 2002)
	Fouts et al., "Expression and characterization of a single-chain polypeptide analogue of the human immunodeficiency virus type 1 gp120-CD4 receptor complex," Journal of Virology, Vol. 74, pp. 11427-36 (December 2000).
	Celada et al., "Antibody Raised Against Soluble CD4-rgp120 Complex Recognizes the CD4 Moiety and Blocks Membrane Fusion without Inhibiting CD4-gp120 Binding," Journal of Experimental Medicine, Vol. 172, pp. 1143-50 (October 1990)
	Devico et al., "Monoclonal Antibodies Raised Against Covalently Crosslinked Complexes of Human Immunodeficiency Virus Type 1 GP120 and CD4 Receptor Identify A Novel Complex-Dependent Epitope of GP120," Virology, Vol. 211, pp. 583-8 (20 August 1995)
	Martin Loïc et al., "Rational Design of a CD4 mimic that inhibits HIV-1 entry and exposes cryptic neutralization epitopes," Nature Biotechnology, Vol 21, pp. 71-6 (January 2003)
	Paul et al., "Expression of HIV-1 envelope glycoproteins by Semliki Forest virus vectors," AIDS Research and Human Retroviruses, Vol. 9, pp. 963-70 (October 1993)
	Schubert et al., "Insertion of the Human Immunodeficiency Virus CD4 Receptor into The Envelope of Vesicular Stomatitis Virus Particles," Journal of Virology, Vol. 66, pp. 1579-89 (1 March 1992)

Examiner's Signature		Date Considered	
----------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.